



## DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Alcohol Drug Abuse, and Mental  
Health Administration  
National Institute on Drug Abuse  
Addiction Research Center  
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### **Biological and Clinical Aspects of Nicotine Effects on Behavior**

#### **Behavioral Effects of Nicotine in Rodents**

John A. Rosecranz

Localization of Nicotine Effects in Brain: Receptor Binding & Metabolic Mapping Studies

Edythe D. London

Genetic Expression of Nicotinic Receptor in Brain: In situ hybridization using probes for subunits of brain nicotinic receptors

Stephen F. Heinemann

Diagnosis and Pharmacological Treatment of Nicotine Dependence

Jack E. Henningfield

Alternate Delivery Systems for Nicotine: Implications for the spread of dependence on Nicotine and other Abused Drugs

John Slade

Discussant

Edward F. Domino